



Australian Government

Assessment Requirements for MEAMEC0030 Maintain aircraft piston engine components or component parts

Release: 1

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Modification History

Release 1. Application changed. Performance Criteria changed. Foundation Skills made explicit. Range of Conditions removed and relevant information moved to Assessment Requirements. Assessment Requirements clarified. Supersedes and is equivalent to MEA333 Maintain aircraft piston engine components or parts.

Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- perform maintenance at least once on a component or component part from each of the following:
 - cooling systems
 - engine cylinder assemblies
 - engine crankcase assemblies
 - accessory drives
 - lubrication systems.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- component operation at a basic level, sufficient to:
 - remove, install and maintain components such as hoses, pipes and ducts
 - dismantle and maintain engine assemblies and sub-assemblies
 - apply unit MEA158 Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance, skills to repair or modify components of sub-assemblies and systems listed in the Performance Evidence
- standard or routine repair procedures and processes
- relevant work health and safety (WHS) practices
- how to obtain material safety data sheets (MSDSs)
- use of personal protective equipment (PPE).
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Assessment Conditions

The following conditions of assessment represent the requirements of the regulators Defence Aviation Safety Authority (DASA) and Civil Aviation Safety Authority (CASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated under qualified person guidance, in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in maintaining aircraft piston engine components or parts. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to maintaining aircraft piston engine components or parts
 - tools and equipment specified in maintenance documentation.
 - general- and special-purpose tools and test equipment found in most routine situations.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>